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Product Datasheet

GC5551 - Glycerol, 99.5%, Ph. Eur., USP, Ultrapure

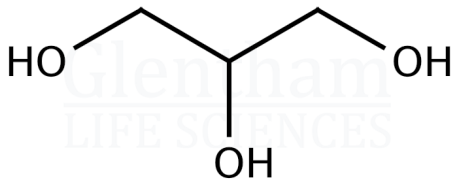
Product Details

Product Name	Glycerol, 99.5%, Ph. Eur., USP, Ultrapure
Glentham Code	GC5551
CAS Number	56-81-5
EINECS	200-289-5
MDL-Nummer	MFCD00004722
Related Categories	Biochemicals, Raw Materials (IVD), Analytical Reagents, PCR, Reagents for Gel Electrophoresis of Proteins, Reagents for Cell Culture, Reagents for Northern and Southern Blotting

Structure

Molecular Weight : 92.09

Molecular Formula : $C_3H_8O_3$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.

Not classified as dangerous for transport.

Glentham Product Specification

Physical Description	:	Clear, colourless liquid
Identification	:	According to Ph. Eur., USP
Solubility (20% in water)	:	Clear, colourless solution
Acidity or Alkalinity	:	≤ 0.2ml (of 0.1M NaOH required)
Refractive Index	:	1.470 - 1.475
Aldehydes	:	≤ 10ppm
Esters	:	≥ 8.0ml (of 0.1M HCl required)
Diethylene Glycol	:	≤ 0.1%
Any Individual Impurity	:	≤ 0.1% (with a retention time ≤ glycerol, Ph. Eur.)
Total Impurities	:	≤ 0.5% (with a retention time ≥ glycerol, Ph. Eur.)
Any Individual Impurity	:	≤ 0.1% (USP)
Sugars	:	To pass Ph. Eur. test
Chlorides	:	≤ 10ppm
Sulphates	:	≤ 20ppm
Halogenated Compounds	:	≤ 35ppm
Chlorinated Compounds	:	≤ 30ppm
Fatty Acids and Esters	:	≤ 1.0ml (of 0.5M NaOH required)
Colour	:	To pass USP test
Specific Gravity	:	≥ 1.249
Heavy Metals (as Pb)	:	≤ 5ppm
Sulphated Ash	:	≤ 0.01%
Arsenic (As)	:	≤ 3ppm
Lead (Pb)	:	≤ 2ppm
Cadmium (Cd)	:	≤ 1ppm
Mercury (Hg)	:	≤ 1ppm
Water	:	≤ 1.0%
Assay	:	99.5 - 101.0 % (Ph. Eur. test)
Assay	:	99.5 - 101.0 % (USP test)
Pharmacopoeia Specification(s)	:	Ph. Eur., USP
Version	:	v1.1

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About Glycerol, 99.5%, Ph. Eur., USP, Ultrapure

Glycerol is a viscous, odourless, and hygroscopic liquid. It is typically derived from fats and oils of natural origin and is miscible with water. Glycerol has a wide variety of uses across the pharmaceutical, cosmetic, food, and medical industries. In a laboratory setting, it can be used as both a reagent and a solvent.